

NJ4-12GM40-E3-V1

#### **Features**

· 4 mm non-flush

#### **Accessories**

BF 12

Mounting flange, 12 mm

V1-G

Female connector, M12, 4-pin, field attachable

V1-W

Female connector, M12, 4-pin, field attachable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

Technical	Data
General specif	fications

Switching element function		PNP	NC
Rated operating distance	s <sub>n</sub>	4 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	sa	0 3.24 mm	1
Actual operating distance	Sr	3.6 4.4 mr	n typ.
Reduction factor r <sub>Al</sub>		0.45	
Reduction factor r <sub>Cu</sub>		0.4	
Reduction factor r <sub>304</sub>		0.75	

Nominal ratings 10 ... 60 V 0 ... 2000 Hz Operating voltage  $U_B$ Switching frequency Hysteresis Н 1 ... 10 typ. 3 % Reverse polarity protection reverse polarity protected Short-circuit protection pulsing . ≤3 V

 $U_{d}$ Voltage drop Voltage drop at I<sub>L</sub> 1.2 ... 2.5 V

Voltage drop I<sub>L</sub> = 100 mA, switching element on U<sub>d</sub> 0 ... 200 mA ≤ 9 mA Operating current ≤ 20 ms

No-load supply current Time delay before availability Switching state indicator Functional safety related parameters

MTTF<sub>d</sub> Mission Time (T<sub>M</sub>) Diagnostic Coverage (DC) **Ambient conditions** 

Ambient temperature -25 ... 70 °C (-13 ... 158 °F) -40 ... 85 °C (-40 ... 185 °F) Storage temperature Mechanical specifications

Connection type Housing material Sensing face

Degree of protection General information

Scope of delivery 2 self locking nuts in scope of delivery

Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

UL approval cULus Listed, General Purpose CSA approval cCSAus Listed, General Purpose

CCC approval Certified by China Compulsory Certification (CCC)

LED, yellow

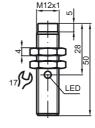
Connector M12 x 1 , 4-pin Stainless steel 1.4305 / AISI 303

750 a 20 a 0 %

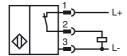
PBT

IP67

## **Dimensions**



## **Electrical Connection**



# **Pinout**



Wire colors in accordance with EN 60947-5-2

1	BN	(brown
2	WH	(white)
3	BU	(blue)
4	BK	(black)

FPEPPERL+FUCHS

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